

THE TECH

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NO. 22.

THE TECH

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of the Massachusetts Institute of Technology.

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

All communications regarding subscriptions should be addressed to the Business Manager.

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THE time is now at hand when the Tech man in his wrath will say hard things about the management of the Tech Show. We learn from some forgotten curse of childhood's days that there are m possible combinations of n tickets and not one of them can escape almost universal condemnation. Experience shows that most people will object, no matter what care is taken in the distribution of seats; but a little foresight in application will make it easier for the management and more satisfactory to the fellows. As has been stated oftentimes be-

fore, Friday's performance is naturally the more popular, as the guests here for the Junior Prom will attend that day; therefore a man who applies for seats on Friday will encounter a much fiercer demand than the man who applies for seats on Tuesday. Before filling out your application for Friday be very sure that you would rather run your chance of getting poor seats on that day than of enjoying an equally good performance on Tuesday in good seats.

There is one other point which we should like to call to the attention of the student body. The management will throw open the upper gallery at each performance for a uniform price so low as to be within the reach of every one. Every man, if for any reason he is not expecting to apply for seats, should plan to be in that gallery and furnish a little college atmosphere.

THE fact that Institute graduates are, in general, successful is the reason for our being at Tech. We have, most of us, an average amount of ambition and we come to Tech to get a training which has helped other men to succeed. Do we ever stop to think just what this word "training" means? It is a broad and general term and embraces many phases of our work here. Do we always recognize the specific instances to which it applies?

Primarily, of course, there are our studies. If we go about them in the right way, and we must do so eventually if we are to graduate, we attain more or less of an ability to think and to understand new matters quickly. In this we have no appreciable advantage over men at other good colleges. It is on the practical side that Tech excels, and this is the side that is going to count for us. Although the practical

work which we get here may not be used directly when we have left Tech, nevertheless, the ability to attack and solve new problems, which such practice alone can give, will be of infinite value to us. Another phase is the acquisition of a certain amount of that spirit of resolution in overcoming difficulties which has always been so eminently characteristic of the Institute and of its graduates. Attention might be called to many other sides of our doings at Tech, and a just consideration of them can only point to the value of everything which broadens our ideas and helps us to enjoy and appreciate Tech.

We should try to realize that it is not a mere absorption of scientific information which is to go to make up the foundation for our life work. In order to be serviceable, this foundation must be a strong, symmetrical whole, in which the various phases of our class work are firmly cemented together by the broadening influences of an intelligent appreciation of everything which is going on about us.

The Show.

Excellent progress has been made the past week in the Show. On Saturday the first act was rehearsed with chorus and principals, and the work, while still a bit crude, showed fine possibilities. The posters are now on sale daily in Rogers, and any who have not bought their posters would do well to obtain them at once. All men in past Shows or the present Show are urged to attend the regular Kommers at the Union on Saturday, April 2. The affair will be virtually a "Show" dinner, though any one is welcome to attend. The scores of old Tech Shows from "The Grand Duke" down, will be at hand, and men who made past Tech Shows famous will attend, to inspire enthusiasm in the men working for the sixth and best Tech Show. All who intend to go should secure tickets from Mr. Powers or at one of the Co-operative branches. Applications for seats will be sent

to each man in the Institute probably by the end of this week, and will be received on Saturday, April 9, opposite the "Cage" in Rogers. Full particulars as to details will be sent with the seats.

Athletic Outlook.

Perhaps it is rather early to make a direct statement with regard to the athletic outlook, but it is interesting to look over the ground just at the start of the training season and surmise in a general way on Tech's chances. The fact that so many men turned out the first day is encouraging, and the number, it is hoped, will be considerably increased within the week. There is an abundance of good material and the fact that the all-round contest has brought much of it to light is now appreciated. The Tech oval will soon be ready and then the work will begin in dead earnest. If Tech is going to win, it will have to be the points scored by new men that will give the victory. The few men left of last year's team are sure point winners, but they must be backed up by a well trained team. Dartmouth is determined to beat us this year, and Amherst thinks that with her team of stars she will also be victorious, but it is not always the team composed of stars that wins. The victory goes to the team that fights every inch and does not depend entirely on first places. To be able to win this year means work, and the hardest possible kind of work. There is a hard season ahead, with two dual meets, where in former years there was but one, and then the N. E. I. A. A. games at the close.

So that not only is it the duty of those men who have previously done athletic work either here or at the preparatory schools to come out and work for the Track Team, but also it is just as much the duty of those who have never done any such work to try themselves and see what they can do. The idea that a man cannot make any of our athletic teams without having had ex-

perience before coming to the Institute is utterly unfounded. The Track Team has a competent coach who can develop such material, and it should be generally recognized that this sort of work is just as much his function as the perfection of already well trained men.

The Deutscher Verein.

An enthusiastic dinner of the Deutscher Verein was held at the Union last Thursday. Following the admirable motto of the Society, "Hier spricht man nur Deutsch," only German was used in conversation. If this motto, as planned, is consistently upheld, it will be an innovation. The similar organization at Harvard does not attempt to make exclusive use of German, except in their plays, and the same is true in other places.

Of the forty members, about twenty-two were present. Mr. Blachstein addressed the Society on the subject of its purpose and the maintenance of interest in it. The free use of English in conversation, stories, and addresses, was the reason that the old Deutscher Verein did not have a greater success and longer life. The large attendance at the various conversation classes in French and German indicates that many men realize the practical value of an ability to speak these languages, and the Deutscher Verein is simply another evidence. From its well-supported beginning the Club should prove an important factor both as a social and practical organization.

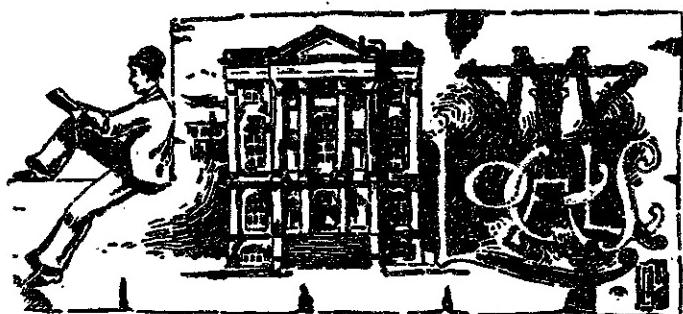
Technique 1905 Notice.

Contributors to the Art Department who desire their original drawings returned will confer a favor by making application in writing to the editor-in-chief. It will be impossible to return some of the drawings and none will be returned before April 29, yet an early compliance with this request will insure consideration. Give name, with number and nature of drawings desired.

Civil Engineering Society.

The meeting of the Civil Engineering Society held last Monday afternoon was well attended and a large number of Course II. men availed themselves of the invitation to attend and listen to Mr. Frank B. Gilbreth's talk on "A Contractor's View of the Baltimore Fire." Prior to the lecture the president of the Society spoke about the annual dinner to be held Thursday evening, and stated that it was to be informal. A communication from a Congressional Committee was read, urging the Society to have a debate on the question, "*Resolved*, that the Government should aid the State Governments in the improvement of roads." It was voted that arrangements be made for a debate, also that a challenge be sent to the Walker Club; and then the Society proceeded to the special business of the day.

Mr. Gilbreth's talk was exceedingly interesting and was enlivened throughout by accounts of amusing and surprising incidents connected with the fire. A large number of lantern slides were shown, which brought out clearly the effects of the fire on the so-called fireproof buildings. The speaker made it plain that concrete was far superior to terra-cotta and stone work, every slide showing the fearful havoc wrought by the conflagration. The lessons taught the contractors in the matter of fireproofing, the ways in which various structures stood the heat, and the value of wire glass was dwelt on. One slide of peculiar interest showed a bank building, the upper, non-fireproof stories of which were completely destroyed, while the lower ones, of most modern fireproof construction, were uninjured. The curious facts of a frame house at the start and a lumber yard at the finish of the fire, both unharmed, owing to the change in the direction of the wind, were also brought out. Mr. Gilbreth had his subject well in hand, and his audience certainly learned a good deal in a very pleasant manner.



1906 Class canes must be ordered this week at 29 School Street.

The Track Team candidates meet at the gymnasium daily at 4 P.M.

The musical clubs gave a very successful concert at Gloucester on Tuesday evening, March 22.

We must again call the attention of contributors to the fact that no unsigned article is considered.

Dr. Pritchett has gone to Virginia for his health, but expects to be able to return by Monday, April 4.

The Deutscher Verein wish it announced that all men who join before April 1 will be exempt from initiation fees.

Mr. Lambirth's classes in Forging made their annual visit to the East Boston Forge this week. Lockwood's shop was also visited, and the Wednesday morning section went over the Atlantic Works.

The annual spring concert of the musical clubs will take place on Wednesday, April 27. Mr. Ralph C. Jackson has been elected president of the musical clubs, to complete the unexpired term of Mr. Lewis G. Wilson.

In accordance with the vote taken at the meeting of the musical clubs, Friday, March 25, the following committee members were chosen: Committee on Fobs, Louis J. Killion; A. Fitch Bancroft, Otis G. Fales. Committee on Press Notices, Ralph C. Jackson, Clarence B. Powell, H. H. Cook.

Mr. E. K. Hall, who is chairman of the Advisory Council on Athletics of Dartmouth College and owner of the Cedar Street grounds of the Newton Athletic Club, has kindly consented to allow our Athletic Association the use of the grounds without charge, for spring games. This will assure us a field with a regulation track, and games can be held during one afternoon, instead of dividing the sports over two or three days.

Freshman Battalion Review.

On Wednesday, March 23, Lieut.-Gov. Curtis Guild, Jr., reviewed the Freshman Battalion, Dr. Pritchett being unable to be present, as had been announced. After the review Mr. Guild spoke very briefly. He said:

"I am sure we all regret the absence of President Pritchett. It is a high privilege to be asked to take his place.

"There is a good old Yankee proverb, 'Praise to the face is open disgrace,' but at least behind his back I may say what we all know, that no better force has been added for clean citizenship, high ideals, and common sense, in Massachusetts in the last decade, than Henry S. Pritchett.

"I am glad you maintain military drill as a feature of this institution, not because military drill encourages war. It doesn't. Nobody wants war, and in Secretary Hay we have a diplomat who has shown, indeed, that Bulwer Lytton's familiar old lines in 'Richelieu' are true.

"Military drill is worth the having for itself alone. The true soldier must be a neat man, a clean man, a man of erect carriage and clear vision, a man who commands the better because he has learned to obey. Respect for constituted authority is a good habit. This is a land of freedom, but freedom to make law does not mean freedom to break law.

"I believe, by the way, that the last time Massachusetts suppressed a riot by force it was a railroad that was breaking the law. The illegal violence committed by men hired by

that corporation was punished, and the manager sent to prison for riot, exactly as, had the case been reversed, the leaders of that mob that besieged Governor Greenhalge at the State House would have suffered a like penalty for riot had they not dispersed at the command of the chief executive.

"The military habit that lifts you to your feet when the band plays 'The Star Spangled Banner,' that makes you uncover when the colors are carried past, that provokes involuntary resentment when a man insults the office of President of the United States; surely these are worth acquiring for themselves, for, as law is but the expressed will of the people, so the flag, the anthem, the President, are but the symbols of the nation that is greater than all of us."

"Release from all restraint spells anarchy. 'Obedience to law is liberty.'"

Chess Team.

The Chess Team won its first match in the Metropolitan Chess League series by defeating the Dorchester Chess Club last Friday at the rooms of the Press Club. The games and the standing of the various clubs in the league are as follows:

M. I. T.	DORCHESTER.
Morey, o	Walcott, 1
Helpern, o	Daly, 1
Edmunds, 1	Stevens, o
Niditch, 1	Wandermuth, o
Merwin, x	Foster, o
Swett, ½	Durham, ½
3½	2½

LEAGUE STANDING.

	Matches		Games	
	Won.	Lost.	Won.	Lost.
Chess	8	3	38½	25½
Union	5½	3½	31½	21½
Lynn	5½	4½	27	29
Press	5	6	33½	27½
Harvard	4½	5½	29½	32½
Dorchester	4	5	23½	30½
M. I. T.	1½	6½	14½	29½

Mechanical Engineering Society.

The annual meeting of the Mechanical Engineering Society was held at the Union last Friday evening, March 25, and consisted of the election of officers and a talk by Mr. L. H. Kunhardt, '89. The election resulted as follows: President, G. D. W. Marcy; vice-president, D. A. Stewart; secretary, J. N. Flynn, Jr.; treasurer, F. Goldthwaite; Executive Committee, N. Lombard, P. E. Hinkley, and J. M. Lambie. The Program Committee will be elected at the April meeting. A vote of thanks and gavel were given to E. O. Hiller, the retiring president. Mr. Kunhardt gave an interesting talk on "Fire Protection," and presented the members with specifications for standard mill construction. Refreshments were served, followed by some music by G. W. Hiller and F. Pirie.

Faculty Notices.

All students known to be candidates for graduation the present year have been notified to that effect; any other students expecting to become candidates should notify or consult the secretary as soon as possible.

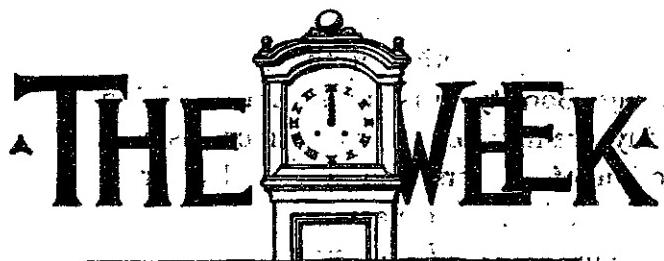
The exercises of the Institute will be suspended on April 19, April 26, and April 29.

ON THE ORIENTATION OF STREETS AND BUILDINGS WITH REFERENCE TO SUNLIGHT.

Mr. William Atkinson, a former student of the Institute, who, as a practical architect, has been making a special study of the subject, will give an address with stereoptican illustrations, under the auspices of the Departments of Architecture and Biology, upon "The Orientation of Streets and Buildings with Reference to Sunlight," in Room 11, Engineering B, on Friday, April 1, at 4.10 P.M.

All persons interested are invited to attend.

F. W. CHANDLER,
W. T. SEDGWICK.



NATIONAL.

In Colorado, trouble has broken out again, and Governor Peabody has declared martial law in San Miguel and Los Animas counties. About four hundred members of the National Guard of Colorado have reached Trinidad. It is understood that the troops are intended for the protection of negroes who have been hired to fill the places of the striking miners. It is reported that the governor has determined to send troops to San Juan county to prevent the exiled Telluride Union miners from mobilizing and marching back to that place in a body.

J. R. Burton, Senior United States Senator from Kansas, has been convicted by a jury in the United States District Court of having accepted compensation to protect the Rialto Grain and Securities Company of St. Louis before the Post-office Department. The jury deliberated forty-one hours. A motion for a new trial was immediately filed by counsel for the Senator.

Senator Dick of Ohio has been sworn in as successor to Mr. Hanna.

FOREIGN.

Another unsuccessful attempt to block the entrance to Port Arthur was made by the Japanese fleet about three o'clock last Sunday morning, when four steamers were sent in toward the harbor, escorted by torpedo boats. All four were sunk under a heavy fire from the forts, well out of the channel.

Viceroy Alexieff has been displaced from the immediate command of the troops and fleet,

and General Kuropatkin has been appointed to the command of the Russian army in the far East, and Vice-Admiral Makaroff to the command of the fleet at Port Arthur.

In the House of Commons a motion to censure the Balfour government for its course in favoring the introduction of Chinese labor into the Transvaal was defeated by a vote of 299 to 242.

General Nicolas Arias, the insurgent leader in San Domingo, who gave the order to shoot Machinist J. C. Johnson of the American gun-boat *Yankee* on Feb. 1 last, was captured by government troops and, after a court-martial, was immediately shot.

The authors of the recent bomb outrages at Liege, Belgium, two French anarchists, have been arrested. They have confessed, and say that their object was to avenge the expulsion from Belgium of fellow-anarchists.

GENERAL.

A serious labor trouble in the shoe industry at Lynn appears to have been avoided, both parties having agreed to submit their dispute to arbitration.

The total taxable property of Boston is \$1,285,817,923.

The State Senate of New York has passed the bill introduced at the behest of District Attorney Jerome of New York, abrogating the privilege of persons who have participated in gambling to refuse to testify, on the plea that such testimony would tend to degrade or incriminate them. After five hours of the most sensational debate of the present session, the bill was passed, to take effect immediately. "This bill will apply to tall cases," said one Senator, "and the intent to make it applicable to the case of Richard Canfield or Reginald Vanderbilt has nothing to do with the matter."

The Cunard Steamship Company, after con-

sidering the report of its committee of experts, has decided to adopt turbine engines for its new fast steamers, which will be built under agreement with the government.

The eleventh annual debate between Yale and Princeton was won by Yale, on the question, "Resolved, That the government of the United States was warranted in the recognition of the republic of Panama."

Cambridge defeated Oxford in their sixty-first annual boat race, by about four lengths.

Sir Edwin Arnold, the author, died in London, March 24. His best known work was the "Light of Asia."

Hare and Hounds Run.

The run held last Saturday afternoon at Milton brought out about twenty-five men and gave them a good chance to limber up. The start was made from the Milton Academy and after an exhilarating chase of four miles, the men finished at the same place. The time was good considering that it was the first run of the season, the hares finishing in thirty-five minutes, and the hounds in thirty-five minutes, forty-two seconds. L. F. Myers, '04, and B. B. Holmes, '07, were hares; Barber, '06, and O. H. Starkweather, '07, found the bags; and the leaders at the finish were: 1st, G. H. Chapman, '07; 2d, G. A. Casey, '05; 3d, C. R. Haynes, '04.

Mining Engineering Society.

A regular meeting of the Mining Engineering Society was held at the Union on Friday evening, March 25. The question of shingles was discussed, and it was decided to retain the old form. Mr. W. R. Ingalls, a prominent mining engineer, addressed the Society on "The Commercial Side of Metallurgical Practice." He also considered costs of construction work in connection with mining. His talk was very interesting and comprehensive.

Calendar.

THURSDAY, MARCH 31.

- 4.00 P.M. 1906 "TECHNIQUE" ELECTORAL COMMITTEE. Meeting in 11 Rogers.
- 4.15 P.M. TECH SHOW REHEARSAL. Ballet. Tech Union.
- 4.15 P.M. ATHLETIC TRAINING starts at the Oval.
- 6.45 P.M. CIVIL ENGINEERING SOCIETY DINNER at the Westminster.
- 8.00 P.M. ELECTRICAL ENGINEERING SOCIETY. Mr. T. D. Lockwood will address the Society on "Reminiscences." Tech Union.

FRIDAY, APRIL 1.

- 4.00 P.M. MANDOLIN CLUB REHEARSAL. 31 Rogers.
- 4.10 P.M. DEUTSCHER VEREIN. Business meeting. Room 9, Engineering C.
- 4.10 P.M. ILLUSTRATED LECTURE on "The Orientation of Streets and Buildings with Reference to Sunlight," by Mr. William Atkinson.
- 4.15 P.M. TECH SHOW REHEARSAL. Chorus. Tech Union.
- 7.00 P.M. REUNION CLASS OF 1901 at the Union.

SATURDAY, APRIL 2.

- 12.45 P.M. GLEE CLUB REHEARSAL. Tech Union.
- 2.00 P.M. HARE AND HOUNDS RUN. Chestnut Hill. Meet at Gymnasium.
- 2.00 P.M. TECH SHOW REHEARSAL. Chorus and Principals. Tech Union.
- 6.00 P.M. TECH SHOW DINNER and Saturday Night Kommers at Tech Union. Tickets 25 cents, from Mr. Powers.

MONDAY, APRIL 4.

- 4.00 P.M. 1906 "TECHNIQUE" ELECTORAL COMMITTEE. Meeting in 11 Rogers.
- 4.15 P.M. TECH SHOW REHEARSAL. Chorus. Tech Union.
- 8.00 P.M. CHEMICAL SOCIETY. Joint meeting with Harvard at Tech Union. Professor Noyes will address the Society. Admission 50 cents.

TUESDAY, APRIL 5.

- 4.00 P.M. MANDOLIN CLUB REHEARSAL. 31 Rogers.
- "WEDNESDAY, APRIL 6.
- 4.15 P.M. TECH SHOW REHEARSAL. Principals. Tech Union.

THURSDAY, APRIL 7.

- 4.00 P.M. 1906 "TECHNIQUE" ELECTORAL COMMITTEE. Meeting in 11 Rogers.
- 4.15 P.M. TECH SHOW REHEARSAL. Ballet. Tech Union.



Are you going to the St. Louis Fair? THE LOUNGER is. Everybody of any consequence is. Spinoza is—if some one will pay the car fare. THE LOUNGER has received a concession 6 feet by $1\frac{1}{2}$ feet at the Fair, and he confidently expects his exhibit to be the gem of the collection. Some misguided foreigners imagine that Americans are always moving at a velocity of sixty miles an hour. Wait until they see THE LOUNGER.

THE LOUNGER did not reach his momentous decision without due thought. He also made many inquiries. Among other things he buttonholed the Man from St. Louis and slung questions at him until he (not THE LOUNGER) couldn't rest. The Man from St. Louis was extremely affable. THE LOUNGER will mention a few of the chunks of information which were disintegrated during the conversation. In the first place, it is not "St. Looee"; you always sound the "s." It makes all the difference between free beer and being sand-bagged, in St. Louis. It is a tolerably live town. The street cars never stop to take on passengers. When you want to get on at a crossing, you always walk half a block ahead, and even then it is ten to one you'll miss the rear platform. You sometimes drink water in St. Louis when you are thirsty. Not the cold, colorless liquid known elsewhere, but the real thing: Sp. g. 6.5; hardness 10; slightly soluble in aqua-regia. It often gets cold in St. Louis during the summer. Sometimes falls to 80° (C.) The natives then retire to their ovens and turn on the hydrogen blast-flame. There are a lot more of curious and interesting facts about the ambitious city, which THE LOUNGER hasn't time to tell. Better come to the Fair yourself and find out.—P. S. Take your Winchesters. If you don't need them to protect your life, you will to protect your money.

* * *

THE LOUNGER feels hurt, as he always does when an innovation is introduced at Tech. Innovations do not suit the calm, peaceful inactivity of THE LOUNGER's mind. The *Technique* Board are going to have the Rush in the yard. When THE LOUN-

GER first heard rumors of this fact, he organized an exploring party, which, after many sore discomfits, found that there really was a Yard. The change was, then, to come to pass. THE LOUNGER is completely at sea when he tries to apply the strength of his mentality to appreciate the enormity of the offence. What will the Co-eds do, with no banisters over which to view the doughty feats (or heads) of their bold knights below? What will the doughty knights themselves do, with no sweet, inspiring picture to animate their efforts? There are, however, some compensating features. When the worthy townspeople of Boston see Tech students in a mad contest for that characteristic emblem of the city, a book, will they not open their hearts and purses to shower praise and reward on the sharers in such a befitting strife? "A book is the highest of human works." Noble men, who expect to rush for *Technique*, THE LOUNGER congratulates you. THE LOUNGER fears that in the yard the great amount of space may make their sport dangerous,—that is, that the great pressure from the large number of students may make it unsafe for those between the walls and the crowd. To obviate this, THE LOUNGER begs to suggest that the Rush be held at the battle monument on the Common, or else that a number of independent rushes be held on the lawn, in order to spread the jam somewhat. For instance, let *Technique* be given out ("given out," not given) at one window, copies of Adams' "Letter Plates" at another, Peabo's "Valve Gears" at a third, and, say, his "Thermodynamics" at a fourth. Such an arrangement would doubtless produce the desired effect of four medium rushes, instead of one unmanageable one. These are merely suggestions which THE LOUNGER offers to the *Technique* Board. They are at perfect liberty to make such substitutions as they may see fit.

It Was Cold.

It was cold,
Her hands were cold, too.
And I — well, wouldn't you —
If it was cold —
And her hands were cold, too?

It was cold,
Her lips were cold, too.
And I — well, what would you do
If it were cold —
And her lips were cold, too?

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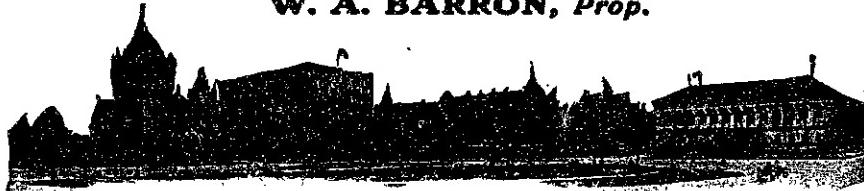
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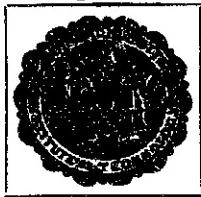
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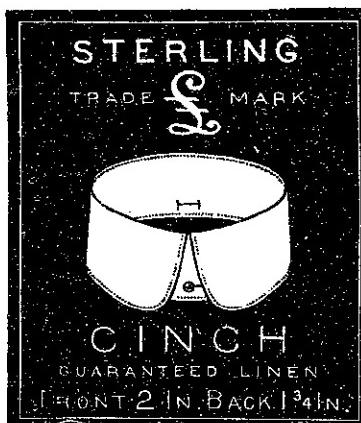
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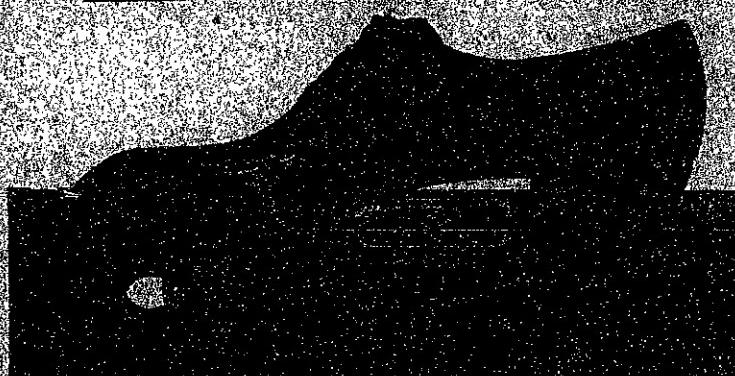
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